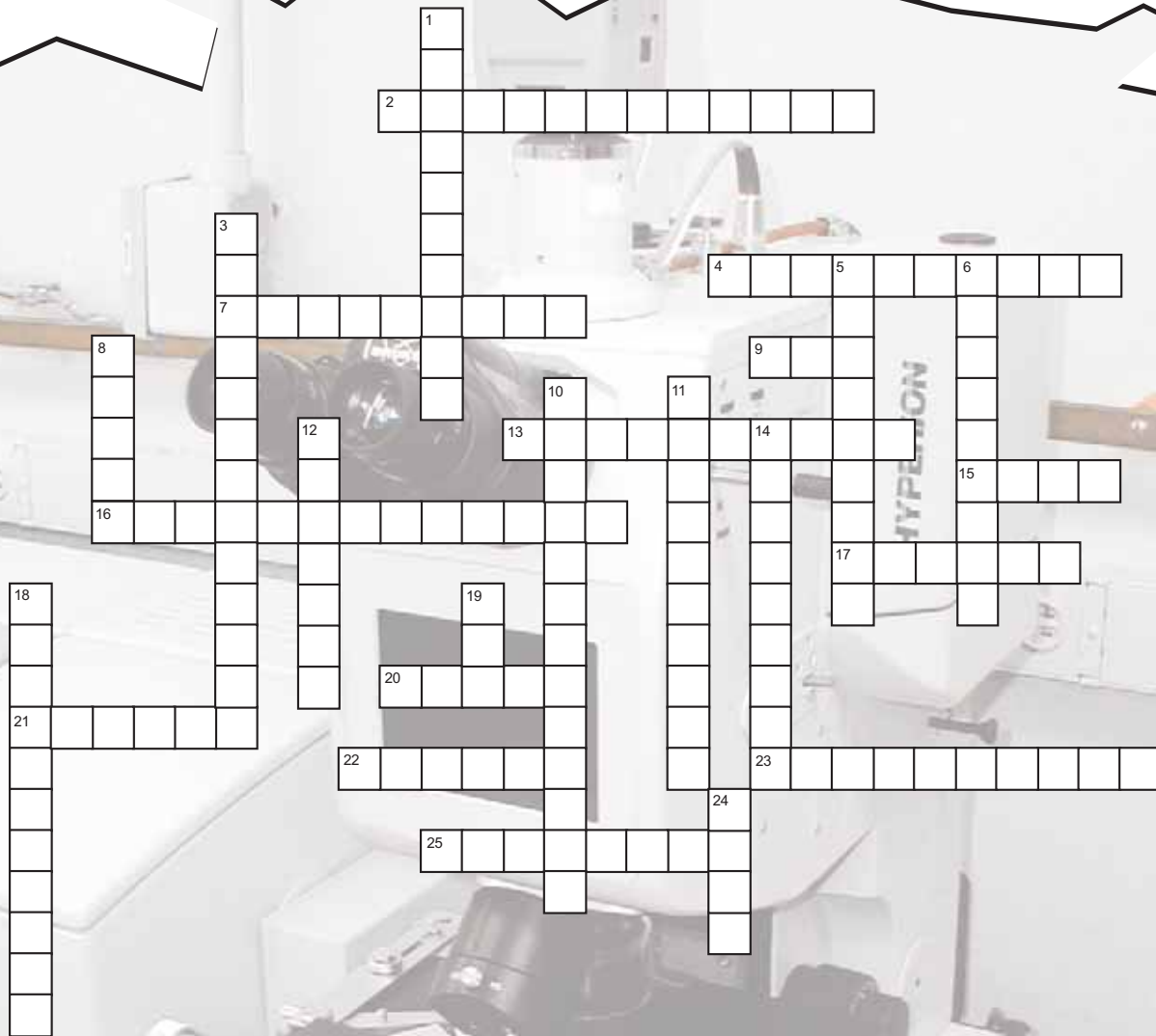


NASA Cellular Biotechnology Crossword Puzzle

LEVEL III

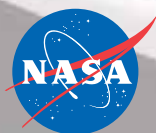


ACROSS

2. Technically, one-millionth of the gravity felt on earth
4. A cell of the body's immune system
7. Membrane-bound structure in a eukaryotic cell
9. Single-chained strand of genetic information
13. Rotating wall vessel used for culturing cells
15. Full of alveoli to exchange oxygen and carbon dioxide with capillaries
16. Genetic information is transferred to a complementary strand of messenger RNA
17. Organized more than a cell, less than an organ
20. The largest section of this is the cerebrum
21. Located under an adrenal gland
22. A syndrome that involves the uncontrolled and abnormal division of eukaryotic cells
23. Cells that have membrane-bound organelles
25. Protein-building machine

DOWN

1. Slender, spiral bacteria
3. Genetic engineering and recombinant DNA science
5. White blood cell that can "eat" foreign organisms, cells, and particles
6. The protoplasm of a cell excluding the nucleus
8. Only place in the body that cardiac muscle can be found
10. Converts nutrients into energy within the cell
11. Normal tissue is replaced by other normal tissue e.g. cartilage is replaced by bone
12. Part of the cell protoplasm minus the cytoplasm
14. A type of bodily material that makes up parts of the ears, nose, and trachea
18. A cell with no membrane-bound nuclei or organelles; bacteria
19. A double helix of purine and pyrimidine bases
24. As the atom is to Chemistry, the _____ is to Biology



CELLULAR BIOTECHNOLOGY
EDUCATION AND OUTREACH
[HTTP://SLSD.JSC.NASA.GOV/BSO](http://SLSD.JSC.NASA.GOV/BSO)
BSO@WYLEHOU.COM